

Background Information

I. Screen prototype: Initial Load

JURISDICTION BASED SECURITY – EDIT link is only available to users that have access for the manage jurisdiction for the condition.

- Refer to properties in Global.ascx.vb file for proper security roles and screen displays. (Ex. ViewHIV, viewTBDisease, viewCD)

Top Piece shows on all conditions

Condition Background Information for JULY, EIGHTH (Party ID = 382881211)			
Modified Date: 7/23/2008	By: SWADM04	Condition ID: 382883851	RVCT#: 200800002
QA Complete: *	<input type="text" value="NO"/>	Month/Year Counted: *	<input type="text" value="07"/> (mm) <input type="text" value="2008"/> (yyyy)
Counted Jurisdiction: *	<input type="text" value="COLE"/>	Counted Jurisdiction Type: *	<input type="text" value="CASE"/>
Manage Jurisdiction: *	<input type="text" value="COLE"/>	Manage Jurisdiction Type: *	<input type="text" value="CASE"/>
Condition Status: *	<input type="text" value="CLINICAL CASE"/>	CDC Case Definitions	<input type="button" value="Update"/>

High Risk Employment / Associations and Factors show for all conditions

High Risk Employment / Associations:																											
<u>PERSON</u>		<u>HOUSEHOLD MEMBERS</u>																									
Foodhandler: *	<input type="text" value="NO"/>	Foodhandler: *	<input type="text" value="NO"/>																								
Associated With or Attends Daycare: *	<input type="text" value="NO"/>	Associated With or Attends Daycare: *	<input type="text" value="NO"/>																								
Healthcare Worker: *	<input type="text" value="NO"/>	Healthcare Worker: *	<input type="text" value="NO"/>																								
Factors:																											
Factor: *	<input type="text"/>																										
Other Factor:	<input type="text"/>																										
Begin Date:	<input type="text" value=""/> (mmddyyyy)	End Date:	<input type="text" value=""/> (mmddyyyy)																								
Excluded From Work:	<input type="text"/>	Excluded From High Risk Duties:	<input type="text"/>																								
Location:	<input type="text"/>																										
State:	<input type="text"/>	City:	<input type="text"/>																								
Country:	<input type="text"/>																										
Reason for travel:	<input type="text"/>	Other Reason:	<input type="text"/>																								
Add to List Clear																											
<table border="1"><thead><tr><th>Factor▲</th><th>Index Case ID</th><th>Begin Date</th><th>End Date</th><th>Location</th><th>Reason for Travel</th><th>Entry Date</th><th>Entered By</th></tr></thead><tbody><tr><td>Edit Remove ALCOHOL USE</td><td></td><td>01/01/2008</td><td>07/10/2008</td><td></td><td></td><td>09/15/2008</td><td>SWADM04</td></tr><tr><td>Edit Remove TRAVEL</td><td></td><td>01/01/2008</td><td>02/01/2008</td><td>IN STATE</td><td></td><td>09/15/2008</td><td>SWADM04</td></tr></tbody></table>				Factor▲	Index Case ID	Begin Date	End Date	Location	Reason for Travel	Entry Date	Entered By	Edit Remove ALCOHOL USE		01/01/2008	07/10/2008			09/15/2008	SWADM04	Edit Remove TRAVEL		01/01/2008	02/01/2008	IN STATE		09/15/2008	SWADM04
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1																											

Background Information

TB Prevention shows for TB DISEASE only.

Notes show for all conditions.

TB Prevention

Reason:

[Add to List](#) [Clear](#)

Preventable	Reason	Entry Date	Entered By
Edit Remove YES	LATENT TB INFECTION WITH INCOMPLETE TREATMENT	09/15/2008	SWADM04
1			

Notes

Note:

0 / 2000

[Add to List](#) [Clear](#)

Entry Date	Note	Entered By
09/15/2008	this is a comment on background information	SWADM04
1		

[Save](#) [Cancel](#)

Screen Display

- Lock Entry Fields
 - No Wrap
 - Yellow Space is added to right of fields/labels (not in the middle or left)
- Grids set to 100% of full page
- Add to List and Clear set to top right most of grid
- Subheader titles (if needed) are bold
- No borders on sections/tables

II. Screen prototype: Click Edit Link

default - Windows Internet Explorer provided by DHS/ITSD

http://devapp/webmchis/default.aspx?c=Person

DEPARTMENT OF HEALTH AND SENIOR SERVICES

Username: swadm04 [Logout](#)

Agency: DHH-CENTRAL OFFICE

[Home](#) [Person](#) [Organization](#) [Instructions](#)

Provider Roles

CONDITIONS

[Add Condition](#)

- TB DISEASE
- ANIMAL BITES
- SALMONELLOSIS
- VARICELLA (CHICKENPOX)
- TB DISEASE

[Condition History](#)

[Diagnostics](#)

[Symptoms \(1, 3\)](#)

[Background Information \(2, 1\)](#)

[HIV Status \(1, 1\)](#)

[Treatments \(2, 1\)](#)

■ [Drug Susceptibility Tests](#)

■ [LL Contacts](#)

[Resolutions \(1\)](#)

[List Condition Notes \(3\)](#)

■ [Encounters](#)

[Confirmation](#)

TB INFECTION

[Condition History \(1\)](#)

[Diagnostics \(1\)](#)

[Symptoms \(1\)](#)

[Test Reasons \(8\)](#)

[Background Information](#)

[Treatments \(1\)](#)

Factors:

Factor:

Other Factor:

Begin Date: (mmdd/yyyy) End Date: (mmdd/yyyy)

Excluded From Work: Excluded From High Risk Duties:

Location:

State: City:

Country:

Reason for travel: Other Reason:

[Replace](#)

Factor	Index Case ID	Begin Date	End Date	Location	Reason for Travel	Entry Date	Entered By
Cancel Edit Remove ALCOHOL USE		01/01/2008	07/10/2008			09/15/2008	SWADM04
Cancel Edit Remove TRAVEL		01/01/2008	02/01/2008	IN STATE		09/15/2008	SWADM04
1							

TB Prevention

Reason:

[Add to List](#) [Clear](#)


Preventable	Reason	Entry Date	Entered By
Edit Remove YES	LATENT TB INFECTION WITH INCOMPLETE TREATMENT	09/15/2008	SWADM04
1			

Notes

Background Information

- Paging will be available in the list grids to show five at a time and add paging when there are more than five rows of information. Keep the current sort order when paging.
- The tab order should default as top to bottom left to right unless otherwise stated.
- No more than the maximum number of characters can be entered into the following fields:
 - Other Factor - 64

III. JavaScript validations and behaviors:

- Date Fields: (BEGIN DATE, END DATE)
 - Display should include label, entry field, calendar icon, and format
[Label:  (mmddyyyy)]
 - Display “Invalid Date” to the right of the Date field that is not a valid date (i.e. does not have a valid month day year combination) as soon as the user leaves the field. Earliest valid date is 01011800.
 - Date fields - listed above – 10 (must have day and slashes in this date so it must be exactly 10 characters)
 - When click the calendar icon and select a date, keep the cursor on the date field so the user can tab to the next field.
 - Only allow entry of numbers and slashes (no characters)
- When the user scrolls, save the position. When the screen reloads, use the latest scroll position to redisplay the screen in the same position as it was before the reload.
- Text Boxes - (OTHER FACTOR, COMMENTS)
 - All text boxes transform text to uppercase on entry
 - Trim all spaces from the beginning and end of textbox text before checking it for errors and before storing it in the database
- Use JavaScript on select of Factor.
 - If OTHER is selected as Factor, then the user can tab to Other Factor; if not the user cannot tab to Other Factor
 - If the selected Factor starts with ‘CONTACT TO CASE’, then the user can tab to the Search Conditions link as it will be enabled. If not, then the user cannot tab to the link, as it will be disabled.
 - If the selected Factor is “TRAVEL”, enable and make visible the “Reason for Travel” row.
 - If the selected Factor contains Foodhandler, Associated To, Associated With, Occupation, Worker”, enable and make visible the “Excluded from Work” and “Excluded from High Risk Duties” row.

IV. Coding

- Grid Sort
 - Sort list as follows: Factors by alphabetical order; Reason by alphabetical order
 - When click column header in grid, check that the sort is currently on that column.
 - If true
Sort list on that column ascending/descending (opposite current sort)
 - If false
Sort list on that column ascending

Background Information

- When click a column header to change the sort, restart the user on page 1 of the grid with the new sort order.
- Dates sort include the month, day and year.
- The Entered By name column sorts on Last Name and then First Name.
- Drop down lists
 - High Risk Employment/Associations
 - Person_foodhandler, Person_daycare, Person_Healthcare_Worker, Household_foodhandler, Household_daycare, Household_Healthcare_Worker, Excluded_from_work, Excluded_High_Risk_duties – (SURVWEB_LOOKUP_NAME table – LIST_NAME: YES_NO_UNKNOWN)
 - Factors
 - Factor (SURVWEB_LOOKUP_NAME table – List Name: FACTOR)
 - Reason for Travel ((SURVWEB_LOOKUP_NAME table – List Name: TRAVEL REASON)
 - Location (SURVWEB_LOOKUP_VALUE table, LIST_NAME: LOCATION)
 - Country (list all Countries except USA, may use the INTL_COUNTRY_CODES list which is LOOKUP.LU_LOOKUPS.TYPE 1875)
 - State (list all States except MO, may use the STATE_FIPS_CODE list which is LOOKUP.LU_LOOKUPS.TYPE 1633)
 - City (LOOKUP.ZIPS_USA)
 - TB Prevention
 - Reason (SURVWEB_LOOKUP_NAME table – List Name: REASON FOR BACKGROUND) - Save both the REASON (REASON FOR BACKGROUND) and the PREVENTABLE (SHORT_VALUE) information to the database.
- The TB Prevention Section only display when the condition is TB DISEASE.

V. Display grid links

- **Before Save** of Record – Display
[Edit](#) and [Remove](#) links
- **After Save of Record – Display**
Update and QA Role – [Edit](#) link only
Admin Role – [Edit](#) and [Remove](#)

VI. Error Messages

- Display in the order of the fields on the screen when [Add to List](#) is clicked or the **Save** button.
 - Factors error messages
 - Factor is required
 - NO KNOWN RISK FACTORS can only be selected when there are no Factors in the list
 - A Factor cannot be selected because NO KNOWN RISK FACTORS is in the list
 - Other Factor is required when 'OTHER' is selected
 - Other Factor cannot be entered when a Factor is selected
 - Other Factor cannot be entered when the same Factor can be selected
 - Other Factor must be alphabetic, punctuation cannot be entered
 - Factor must start with 'CONTACT' to select an Index Case State ID Number
 - The current combination of Factor and Index Case State ID Number is already in the list

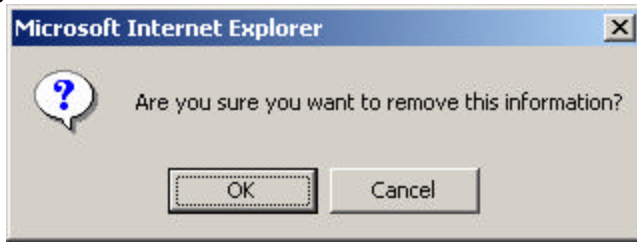
Background Information

- Begin Date cannot be a future date.
- Begin Date cannot be prior to the Person's Date of Birth
- Begin Date cannot be prior to End Date
- Information has been entered to add to a list, click Add to List or Clear the information
- TB prevention error messages
 - Reason is required
 - The selected Reason is already in the list
 - Information has been entered to add to a list, click Add to List or Clear the information

VII. Buttons & Links

- Validation to display messages to the user will not be performed on Clear, Cancel or on Cancel
- When click a link that will bring up another page, display a popup with the pyramid image and a message such as of "Working, please wait..." as per standards.
- When click **Cancel** button, reload screen.
- When click Clear link
 - Clear out the entry fields in that section
 - Clear out error messages in that section.
- When click an Add to List link, validate the entry fields in that section and their combinations.
 - If passes validation
 - Add those items to the grid in a new row that has a Remove link sorted the same as before clicking the link.
 - Clear out entry fields in that section and
 - Clear out error messages in that section
 - Display the page of the grid that the new row is added to.
 - If fails validation
 - Display the error messages above the entry fields in that section
- When click the **Save** button check to see if anything has been entered but not added to a list.
 - If true display
 - "Information has been entered to add to a list, click Add to List or Clear the information" in the section(s) and do not save.
 - If false and it passes all edits
 - Save to the database.
- When click an Edit link to edit a record
 - Clear out error messages in that section
 - Display information for that row in the entry fields
 - Hide its Add to List and Clear links
 - Show its Replace and Cancel links in the row
 - Hide the Edit and Remove links in that row
- When click Replace link to replace a record, do the same as when click Add to List link, but if it passes validation then show its Add to List and Clear links and hide its Replace link.
- When click Cancel link to cancel edit of a record, do the same as when click the Clear link. Then show its Add to List and Clear links and hide its Replace link.
- When click a Remove link, display the following popup.

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- If the user clicks OK,
 - Remove the row from the grid display and if it was the only row, display “No items” as displayed in the screen shot above and
 - Clear out the entry fields in that section and
 - Clear out error messages in that section.
- If the user clicks Cancel
 - Do not remove the row from the grid display
 - Do not clear any entry fields or error messages.

VIII. Other Links

- When click [Search Conditions](#) link, display the Search Conditions screen in a popup (the screen should appear in a window wide and tall enough that all its fields are visible). A Person/condition can be selected by clicking on a [Condition](#) link. Display the condition ID in place of any previous display in the field. Closing the Search Conditions screen without a selection should keep the cursor on the Search Conditions link without changing anything on the screen.

IX. Database routines – Screen Information

- Retrieval of the user’s security to display the Update button appropriately
- Information will be stored in tables as shown below:

Table:	Field on Screen	Database column	
SURVWEB.SURVWEB_COND_FACTOR	NA – PRIMARY KEY	SURVWEB_COND_FACTOR_ID	Generate the SURVWEB_COND_FACTOR_ID
PK SURVWEB_COND_FACTOR_ID			
FK1 SURVWEB_CONDITION_ID	NA – FOREIGN KEY	SURVWEB_CONDITION_ID	
FACTOR_OTHER	Factor	FACTOR	
INDEX_CASE_STATE_ID_NUMBER	Other Factor	FACTOR_OTHER	
BEGIN_DATE	Index Case State ID	INDEX_CASE_STATE_ID_NUMBER	
END_DATE	Number		
EMPLOYER_NAME	Begin Date	BEGIN_DATE	
ENTRY_USERID	End Date	END_DATE	
ENTRY_DATETIME	Employer Name	EMPLOYER_NAME	
LAST_CHANGED_USERID	Location	LOCATION	
LAST_CHANGED_DATETIME	City	CITY	
	State	STATE	
	Country	COUNTRY	
	Reason for Travel	REASON_FOR_TRAVEL	
	Excluded from Work	EXCLUDED_FROM_WORK	
	Excluded from High Risk Duties	EXCLUDED_HIGH_RISK_DUTIES	

Background Information

	NA	ENTRY_DATETIME	Set ENTRY_DATETIME = SYSDATE
	NA	ENTRY_USERID	Set ENTRY_USERID = userid
	NA	LAST_CHANGED_DATETIME	NULL
	NA	LAST_CHANGED_USERID	NULL

Table:	Field on Screen	Database column	
DISEASE_CASE_REPORT (only person and household items shown in table)	NA – PRIMARY KEY	SURVWEB_COND_DCR_ID	Generate the PRIMARY KEY
	NA – FOREIGN KEY	SURVWEB_CONDITION_ID	Set FOREIGN KEY
	Patient Foodhandler	PATIENT_FOODHANDLER	
	Patient Daycare	PATIENT_DAYCARE	
	Patient Nursing Home	PATIENT_NURSING_HOME	
	Household Foodhandler	HOUSEHOLD_FOODHANDLER	
	Household Daycare	HOUSEHOLD_DAYCARE	
	Household Nursing Home	HOUSEHOLD_NURSING_HOME	
	NA	ENTRY_DATETIME	Set ENTRY_DATETIME = SYSDATE
	NA	ENTRY_USERID	Set ENTRY_USERID = userid
	NA	LAST_CHANGED_DATETIME	NULL
	NA	LAST_CHANGED_USERID	NULL

Table:		Field on Screen	Database column	
SURVWEB.SURVWEB_COND_PREVENTION		NA – PRIMARY KEY	SURVWEB_COND_PREVENTION_ID	Generate the PRIMARY KEY
PK	SURVWEB_COND_PREVENTION_ID			
FK1	SURVWEB_CONDITION_ID PREVENTABLE REASON ENTRY_USERID ENTRY_DATETIME LAST_CHANGED_USERID LAST_CHANGED_DATETIME	NA – FOREIGN KEY	SURVWEB_CONDITION_ID	Set FOREIGN KEY
		NA	PREVENTABLE	
		Reason	REASON	
		NA	ENTRY_DATETIME	Set ENTRY_DATETIME = SYSDATE
		NA	ENTRY_USERID	Set ENTRY_USERID = userid
		NA	LAST_CHANGED_DATETIME	NULL
		NA	LAST_CHANGED_USERID	NULL

X. Database routines – NOTES

- CONDITION NOTES - To display the notes in various screens, use NOTE_TYPE for filter.
- Notes will be saved to SURVWEB.SURVWEB_COND_NOTE with a NOTE_TYPE of BACKGROUND INFORMATION.

Table:		Field on Screen	Database column	
SURVWEB.SURVWEB_COND_NOTE		NA	SURVWEB_COND_NOTE_ID	Generate a SURVWEB_COND_NOTE_ID
PK	SURVWEB_COND_NOTE_ID			
FK1	SURVWEB_CONDITION_ID ENCOUNTER_ID CONTACT_ID NOTE_TYPE NOTE_TEXT ENTRY_DATETIME ENTRY_USERID	NA	SURVWEB_CONDITION_ID	Set SURVWEB_CONDITION_ID = the CONDITION_ID
		Encounter Screen – ENCOUNTER_ID generated at SAVE	ENCOUNTER_ID	Set ENCOUNTER_ID to ENCOUNTER_ID

Background Information

	NA	NOTE_TYPE	Set NOTE_TYPE = CONTACT (when entered from the CONTACT node)
	Narrative	NOTE_TEXT	Set NOTE_TEXT to NOTE_TEXT
	NA	ENTRY_DATETIME	Set ENTRY_DATETIME = current date time
	NA	ENTRY_USERID	Set ENTRY_USERID = userid